Message

From: Strynar, Mark [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=5A9910D5B38E471497BD875FD329A20A-STRYNAR, MARK]
Sent: 5/7/2018 3:27:24 PM
To: Paul Resnick [Ex. 6 Personal Privacy (PP)
Subject: RE: Analytical Standards

Hi Paul,

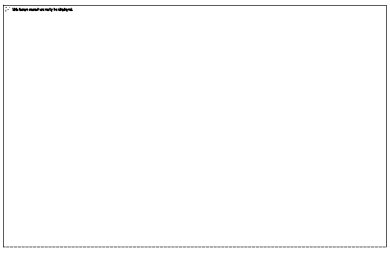
I just went through what we have onsite this AM. As far as interest it depends on the matrix. Water, fish tissue and human serum have different priorities. I would say all of those listed below as Na salts would be fantastic. I would say the lowest priority is the PFESA BP1 as we do not normally find much of it relative to the others. From there it is hard to order them for priority.

I have plenty of the HFPO-DA and ammonium salt.
I do not have the HFPO-TA but I can easily get it from Synquest as a free acid (CAS 13252-14-7)

Other than the PFMOAA I got from you as a Na salt the rest of the standards I have are ~1% in a solution of water as an Na salt unless otherwise noted.

I have:
CF3O(CF2O)nCF2COO- n = 1,2,3,4, (n=1 PFMOAA, n=2 PFo2HxA, n=3 PFO3OA, n=4 PFO4OA)
CF2=CFOCF2CF(CF3)OCF2CF2SO3- (PFESA BP1 ~80mg)
CF3CFHOCF2CF(CF3)OCF2CF2SO3- (PFESA BP2 ~80 mg)
CF3OCF(CF3)COO- (PMPA)
CF3CF2OCF(CF3)COO- (PEPA)
CF3CFHOCF2CF2SO3- (NVHOS)

I also have this one called PFESA BP4 (~1% in water)



From: Paul Resnick [mailto Ex. 6 Personal Privacy (PP) t]
Sent: Thursday, May 03, 2018 8:44 PM
To: Strynar, Mark <Strynar.Mark@epa.gov>
Subject: Analytical Standards

Mark:

It was good to speak with you today. As noted the standards will be available from Fluoryx, a small company located in Nevada. Their website is https://fluoryx.com/ and your contact is David Offord, the founder of the

company. David is a Ph.D chemist and well versed in fluorine chemistry and I suggest that you should contact him concerning analytical samples for your work. I have discussed this in general with David so knows some specifics but my view is that direct contact between the two of you would put everyone on the same page.

Hopefully, could you please supply a list of the standards you need and if possible some sort of general ranking with regards those of most interest. From our conversation I know there is interest among others in standards for:

$CF_3O(CF_2O)_nCF_2COO^-$ n = 1,2,3,4,
$CF_2=CFOCF_2CF(CF_3)OCF_2CF_2SO_3^-$
$CF_3CFHOCF_2CF(CF_3)OCF_2CF_2SO_3^-$
$CF_3OCF(CF_3)COO^-$
$CF_3CF_2OCF(CF_3)COO^-$
$CF_3CFHOCF_2CF_2SO_3^-$

May I assume that you have enough of Gen-X, [$CF_3CF_2CF_2OCF(CF_3)COO^-$] from HFPO dimer and $CF_3CF_2CF_2OCF(CF_3)CF_2OCF(CF_3)COO^-$ the analogous compound from HFPO trimer?

I hope that this will all work out well for everyone.

Best regards,

Paul

P.S. How did the talk to the water people go?